

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



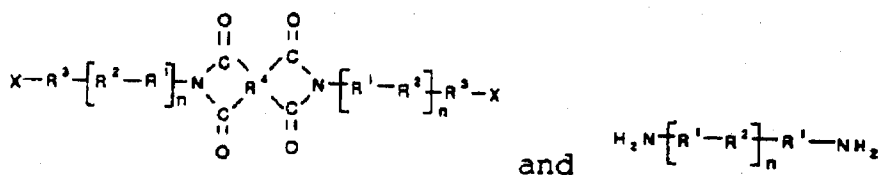
(11) Publication number:

**0 530 703 A3**

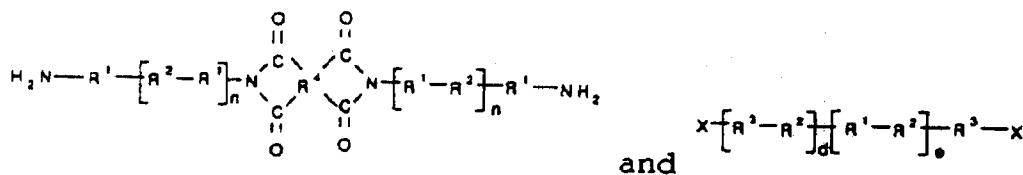
(12)

**EUROPEAN PATENT APPLICATION**(21) Application number: **92114739.3**(51) Int. Cl.<sup>5</sup>: **C08G 73/14**(22) Date of filing: **28.08.92**(30) Priority: **30.08.91 US 753275**(43) Date of publication of application:  
**10.03.93 Bulletin 93/10**(84) Designated Contracting States:  
**DE FR GB**(88) Date of deferred publication of the search report:  
**25.08.93 Bulletin 93/34**(71) Applicant: **EASTMAN KODAK COMPANY**  
**343 State Street**  
**Rochester, New York 14650-2201(US)**(72) Inventor: **Perry, Robert James**  
**c/o EASTMAN KODAK COMPANY, 343 State****Street****Rochester, New York 14650-2201(US)**Inventor: **Turner, S. Richard****c/o EASTMAN KODAK COMPANY, 343 State**  
**Street****Rochester, New York 14650-2201(US)**Inventor: **Blevins, Richard Wayne****c/o EASTMAN KODAK COMPANY, 343 State**  
**Street****Rochester, New York 14650-2201(US)**(74) Representative: **Brandes, Jürgen, Dr. rer. nat.**  
**et al****Wuesthoff & Wuesthoff, Patent- und**  
**Rechtsanwälte, Schweigerstrasse 2**  
**D-81541 München (DE)**(54) **Method for the preparation of polyamide-imides.**

(57) A method for preparing a polymer including the step of reacting carbon monoxide and a reactant pair having respective general formulas

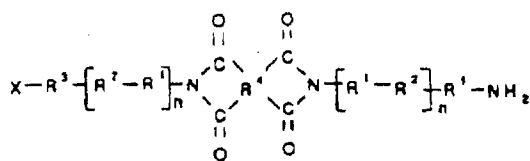


or a reactant pair having respective general formulas

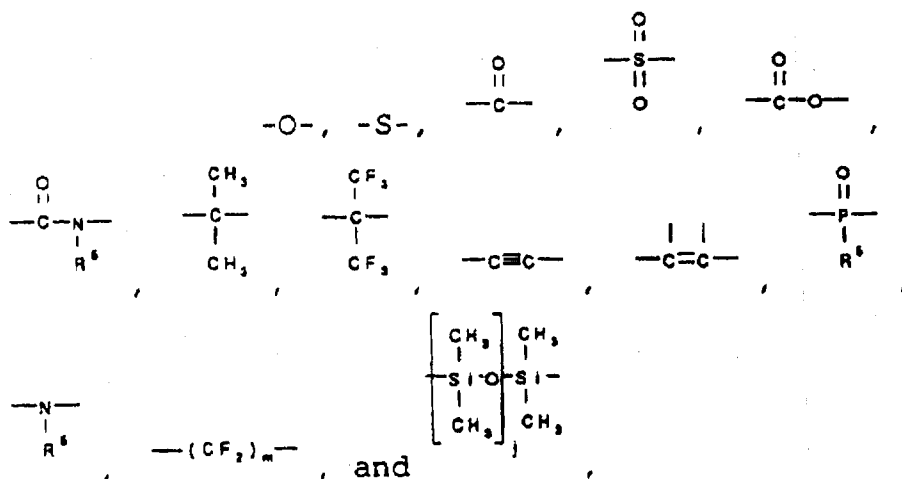


or a reactant having the general formula

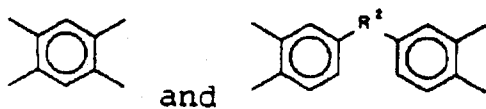
**EP 0 530 703 A3**



X is a nonortho halide selected from the group consisting of Br and I. n is an integer from 0 to 4, d is an integer from 0 to 1 and e is an integer from 0 to 3. If d is 0, then e is 0. R<sup>1</sup> is selected from the group consisting of alkyl, arylalkyl, aryl, heteroaryl, and cycloalkyl. R<sup>2</sup> is selected from the group consisting of



wherein each R<sup>5</sup> is independently selected from the group consisting of alkyl and aryl, m is an integer from 1-12, and j is an integer between 0 and 300. R<sup>3</sup> is selected from the group consisting of substituted aryl, unsubstituted aryl, substituted heteroaryl, and unsubstituted heteroaryl. R<sup>4</sup> is selected from the group consisting of





European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number

EP 92 11 4739

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A,D	MACROMOLECULES vol. 21, no. 7, July 1988, EASTON US pages 1908 - 1911 YONEYAMA ET AL. "Novels Synthesis of Aromatic Polyamides by Palladium-Catalysed Polycondensation of Aromatic Dibromides, Aromatic Diamines, and Carbon Monoxide" * the whole document *	1-10	C08G73/14
A,D	PATENT ABSTRACTS OF JAPAN vol. 13, no. 367 (C-626)15 August 1989 & JP-11 23 823 ( TOKYO INSTITUT OF TECHNOLOGY ) 16 May 1989 * abstract *	1-10	
A,D	US-A-4 933 466 (PERRY ET AL.) * claims 1,2 *	1-10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C08G C07D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 JUNE 1993	Examiner GLANDDIER A.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			